

WHAT IS CLAIMED IS:

1. A spin stand which comprises:
a disk rotator for rotating a magnetic disk; and
a head mover for detachably supporting the magnetic head, and
5 moving said magnetic head at least in the direction of the track width of
said disk,
wherein the head mover is provided with a fine positioner capable
of positioning with high accuracy within a very small range of motion and
a coarse positioner for setting the very small range of motion of the fine
10 positioner at a prescribed discrete position.
2. The spin stand according to claim 1, wherein said coarse
positioner has one rotation mechanism and can accomplish both
providing the movement of the magnetic head between above the
15 surface of the magnetic disk and the outside of the magnetic disk and
applying the prescribed skew angle to the head on the disk surface.
3. The spin stand according to claim 1, wherein said discrete position
includes a position where the magnetic head is separated from the
20 magnetic disk in order to attach or remove said magnetic head.
4. The spin stand according to claim 1, wherein said coarse
positioner comprises a driver and a brake for braking or fixing a movable
base that is driven by the driver at the discrete position.
25
5. The spin stand according to claim 1, wherein said coarse
positioner comprises a driver and a guide for guiding and fixing a
movable base that is driven by the driver at the discrete position.

6. The spin stand according to claim 1, wherein said disk rotator is disposed on one side of the magnetic disk, and the positioners are disposed on the other side of the magnetic disk, and the magnetic head is positioned on the latter side of the magnetic disk.
- 5
7. The spin stand according to claim 6, further wherein said the magnetic head is supported directly above the positioner.
8. The spin stand according to claim 1, wherein said fine positioner provides a piezo stage, and the magnetic head is supported on the piezo stage so that the gap center of the magnetic head is adjacent to the center shaft of the piezo stage.
- 10
9. The spin stand according to claim 1, wherein said fine positioner provides a piezo stage and the object to be positioned is supported on the piezo stage so that the center of gravity of the object to be positioned on the piezo stage, including the head, is adjacent to the support center point of the piezo stage.
- 15
10. The spin stand according to claim 1, wherein said fine positioner provides a piezo stage, and the stage position of the piezo stage when the tracks are written is a position offset from the center of the range of possible motion of said stage.
- 20
11. The spin stand according to claim 1, wherein said spin stand is supported by helical springs provided with an anti-vibration gel.
- 25
12. A head/disk test device which comprises a spin stand which comprises:
- 30 a disk rotator for rotating a magnetic disk; and

a head mover for supporting the magnetic head in such a way that it can be attached and removed, and moving said magnetic head at least in the direction of the track width of said disk,

- 5 wherein the head mover is provided with a fine positioner capable of positioning with high accuracy within a very small range of motion and a coarse positioner for setting the very small range of motion of the fine positioner at a prescribed discrete position.